LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 198309
ENTRY DATE: Entered STN: 19900319
Last Updated on STN: 19970203
Entered Medline: 19830909

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS
AB Pullulan (I) and dextran (II) promote the growth of bifidobacteria in humans and animals. Such promotion is effective in maintaining and improving health and beauty, as well as preventing and/or treating diseases, e.g. geriatric diseases, **hyperammonemia**, and hepatic encephalopathy. The presence of certain oligosaccharides, e.g. lactulose, greatly enhances such promotion. Thus, I and II are useful for or in health foods, pharmaceuticals, animal feeds, and pet foods. A variety of compns. are described. Pulverized corn bran 100, pullulan (mol. wt. .apprx.300,000) 100, Panorup 5 parts by wt., and an appropriate amt. of water were mixed to homogeneity, and the mixt. was granulated. The above compn. can also be tableted. Unlike sol. starch, I and II, administered to volunteers over a 14-day period, increased amt. of feces/day, bifidobacteria count/g feces, the ratio of bifidobacteria to total cell count (1.5-2 fold), total bifidobacteria count (2-4 fold); pH of the feces was decreased by 0.5-1.0. Pullulan was superior to dextran with respect to the above observations.
ACCESSION NUMBER: 1991:163008 CAPLUS
DOCUMENT NUMBER: 114:163008
TITLE: Compositions containing pullulan and/or dextran and their use in promoting the growth of intestinal bifidobacteria
INVENTOR(S): Mitsuhashi, Masakazu; Yoneyama, Masaru; Sakai, Shuzo
PATENT ASSIGNEE(S): Hayashibara Biochemical Laboratories, Inc., Japan
SOURCE: Eur. Pat. Appl., 9 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 382355	A2	19900816	EP 1990-300548	19900118
EP 382355	A3	19911113		
EP 382355	B1	19970820		
R: DE, FR, GB, IT, SE				
JP 02289520	A2	19901129	JP 1989-322564	19891214
JP 2779963	B2	19980723		
CA 2007270	AA	19900809	CA 1990-2007270	19900105

PRIORITY APPLN. INFO.: JP 1989-28661 19890209
JP 1989-322564 19891214

=> s l6 and therapeutics?
L7 0 L6 AND THERAPEUTICS?

=> s l6 and treatment?
L8 1 L6 AND TREATMENT?

=> d l8 abs ibib

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

AB Pullulan (I) and dextran (II) promote the growth of bifidobacteria in humans and animals. Such promotion is effective in maintaining and improving health and beauty, as well as preventing and/or treating diseases, e.g. geriatric diseases, **hyperammonemia**, and hepatic encephalopathy. The presence of certain oligosaccharides, e.g. lactulose, greatly enhances such promotion. Thus, I and II are useful for or in health foods, pharmaceuticals, animal feeds, and pet foods. A variety of compns. are described. Pulverized corn bran 100, pullulan (mol. wt. .apprx.300,000) 100, Panorup 5 parts by wt., and an appropriate amt. of water were mixed to homogeneity, and the mixt. was granulated. The above compn. can also be tableted. Unlike sol. starch, I and II, administered to volunteers over a 14 day period, increased amt. of feces/day, bifidobacteria count/g feces, the ratio of bifidobacteria to total cell count (1.5-2 fold), total bifidobacteria count (2-4 fold); pH of the feces was decreased by 0.5-1.0. Pullulan was superior to dextran with respect to the above observations.

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=> s l6 and lowering(w)agent?
L9 0 L6 AND LOWERING(W) AGENT?

=> s l6 and blood?
L10 1 L6 AND BLOOD?

=> d l10

L10 ANSWER 1 OF 1 MEDLINE
AN 83276253 MEDLINE
DN 83276253 PubMed ID: 6879434
TI Portal hemodynamics, intestinal absorption, and postshunt encephalopathy.

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AU   Rikkers L F
NC   1P01AM31371 (NIADDK)
     RR64 (NCRR)
SO   SURGERY, (1983 Aug) 94 (2) 126-33.
     Journal code: VC3; 0417347. ISSN: 0039-6060.
CY   United States
DT   Journal; Article; (JOURNAL ARTICLE)
LA   English
FS   Abridged Index Medicus Journals; Priority Journals
EM   198309
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=> s l6 and pharmaceutical?
L11          1 L6 AND PHARMACEUTICAL?

=> d l11

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AN   1991:163008  CAPLUS
DN   114:163008
TI   Compositions containing pullulan and/or dextran and their use in
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     the growth of intestinal bifidobacteria
IN   Mitsuhashi, Masakazu; Yoneyama, Masaru; Sakai, Shuzo
PA   Hayashibara Biochemical Laboratories, Inc., Japan
SO   Eur. Pat. Appl., 9 pp.
     CODEN: EPXXDW
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FAN.CNT 1
     PATENT NO.         KIND  DATE          APPLICATION NO.  DATE
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PI   EP 382355          A2    19900816      EP 1990-300548   19900118
     EP 382355          A3    19911113
     EP 382355          B1    19970820
        R:  DE, FR, GB, IT, SE
     JP 02289520        A2    19901129      JP 1989-322564   19891214
     JP 2779963         B2    19980723
     CA 2007270         AA    19900809      CA 1990-2007270  19900105
PRAI JP 1989-28661            19890209
     JP 1989-322564           19891214


=> s l6 and blood(w)ammonia(w)lowering?
L12          0 L6 AND BLOOD(W) AMMONIA(W) LOWERING?

=> s l6 and agent?
L13          0 L6 AND AGENT?

=> s blood(w)ammonia?
L14       2454 BLOOD(W) AMMONIA?

=> s l14 and xylose?
L15          1 L14 AND XYLOSE?

=> s l14 and xylobiose?
L16          1 L14 AND XYLOBIOSE?
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